

## SUMMARY

In order to provide an alloy which, on the one hand, can be used for the synthesis of crown and bridge frameworks that may be provided with a tooth-colored veneer of ceramic material, and, on the other hand, enable the synthesis of model casting bases, a nonprecious metal dental casting alloy is provided which substantially consists of:

26 – 35 wt% Cr

2 – 6 wt% Mo

3 – 12 wt% W

0.8 – 1.5 wt% Si

up to 0.3 wt% Mn

0.1 – 0.35 wt% N

<0.1 wt% Ni

0.2 – 1.5 wt% Ta

and manufacturing impurities of <0,1 wt% in each case,

remainder cobalt,

the content of tungsten being always greater than the content of molybdenum.